



ENERGY STAR® Electronics Product Update

Electronics Partner Meeting
September 24, 2009

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US EPA

What's New in Electronics & IT?



- Newly Effective
 - *Televisions V3*
 - *Servers V1*
 - *Computers V5*
 - *Imaging Equipment V1.1*
- Pending
 - *Televisions V4 (2010) and V5 (2012)*
 - *Displays V5*

What's New in Electronics & IT?

- In Progress
 - *Audio/Video V2*
 - *Servers V2*
 - *Storage V1*
- Coming Soon?
 - *Personal Data Storage*
 - *Home Network Equipment*
 - *Uninterruptible Power Supplies*

Newly Effective



- Televisions V3
 - Effective Nov 1, 2008. More than 1100 qualified products available from 32 manufacturers.
 - Includes On mode and Standby power consumption criteria, with additional consideration for TVs with Automatic Brightness Control.
- Set Top Boxes V1
 - Effective Jan 1, 2009. Total of 31 qualified products available from 5 manufacturers. Total of 4 qualified service providers.
 - Includes Typical Energy Consumption criteria for Cable, Satellite, Terrestrial, IP, and Thin Client STB devices. Consideration is given for additional product features, such as additional tuners or a DVR.

Newly Effective



- Imaging Equipment V1.1
 - Effective July 1, 2009. Currently more than 2000 qualified products from 44 manufacturers.
 - Includes “Typical Energy Consumption” criteria for Printers, Scanners, Digital Duplicators, Multi-Function Devices, Fax Machines, and Mailing Machines.
- Computers V5
 - Effective July 1, 2009. Currently more than 700 qualified products (US) from 34 manufacturers.
 - Includes “Typical Energy Consumption” criteria for desktops & notebooks, thin clients, workstations, and small-scale servers. Also addresses power supply efficiency and computer/display power management.

Newly Effective

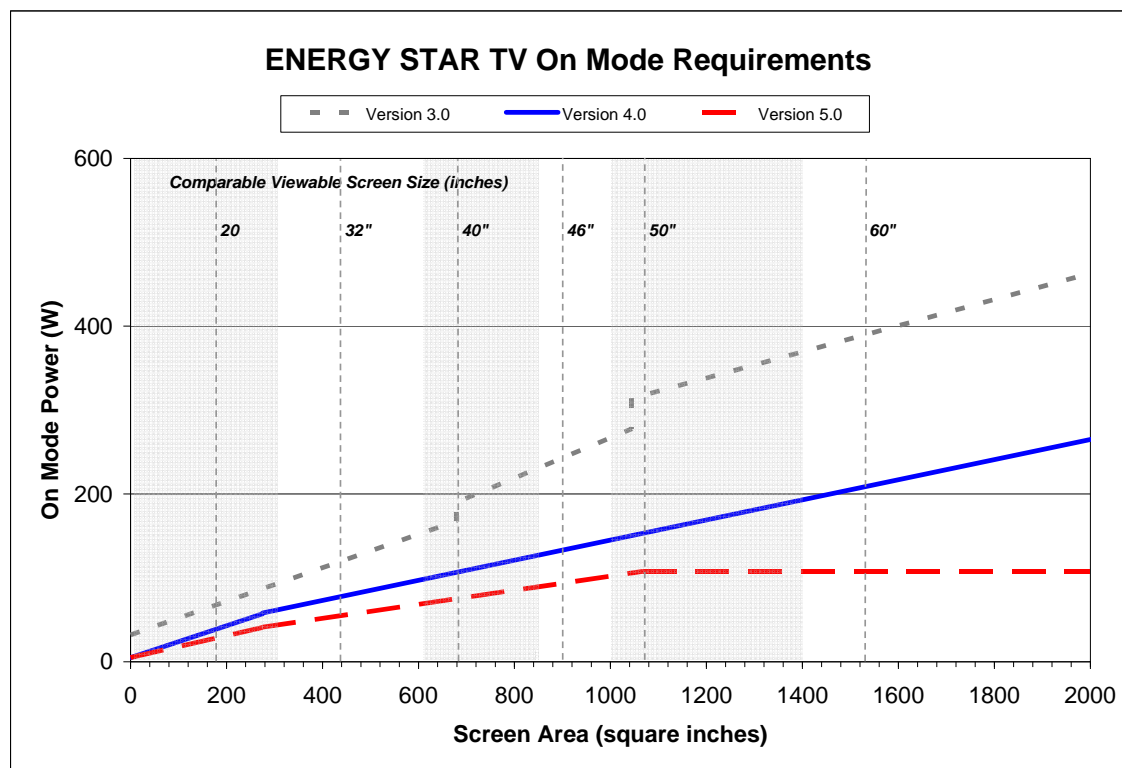


- Computer Servers V1
 - Effective May 15, 2009. Currently 10 qualified products or product families available from 3 manufacturers.
 - Includes rack and pedestal servers with 1 - 4 processor sockets. Addresses power supply energy efficiency and power factor, and maximum idle energy rate (1 and 2 socket systems only).
 - Manufacturers must fill out a Power & Performance Data Sheet with each qualified model or family, to provides additional energy performance information to the end user.

Finalized & Pending



- Televisions V4 & V5
 - Finalized Aug 25, 2009.
 - V4 effective May 1, 2010. V5 effective May 1, 2012. (40% & 65% more efficient than current models)
 - Includes updated criteria to address On Mode power consumption, screen luminance, and Download Acquisition Mode.



Finalized & Pending



- Displays V5
 - Finalized Mar 30, 2009.
 - Effective Oct 30, 2009 for displays <30" diagonal, Jan 30, 2010 for displays between 30" and 60" diagonal.
 - Includes updated criteria to address On, Sleep, and Off Mode power consumption.
 - Scope was expanded to include digital photo frames and large professional displays up to 60" diagonal.

In Progress



- Audio/Video V2
 - Draft 2 distributed Aug 10, 2009.
 - Will include requirements for On and Sleep mode power consumption and mandatory Auto Power Down.
 - Scope to be expanded to include commercial audio equipment and new audio/video technologies.
- Data Center Storage
 - Specification Framework distributed for public comment Jun 4, 2009.
 - First stakeholder meeting held July 20, 2009 in San Jose, CA.
 - Development of Draft 1 is in progress.
- Computer Servers V2
 - First stakeholder meeting to be held Sep 25, 2009 in Santa Clara, CA.

Change the World, Start with ENERGY STAR 2009/2010



- Launched Earth Day 2009, National Mall, Washington DC
 - Visit the video gallery at http://www.energystar.gov/index.cfm?c=globalwarming.tour_dc
- Combats global warming
- More than 2.3 million have pledged
- Cornerstone: ENERGY STAR Pledge
- Youth focus
 - Focus: youth (8-15) and families
 - National youth organization partnerships
 - Boys & Girls Clubs of America
 - PTO Today
 - Community service projects
- National and local media outreach
- Nationwide events with local sponsors



2009 Fall Tour Locations



PLANO, TEXAS, September 18-20

Plano Balloon Festival at Oak Point Park

SPONSOR: JCPenney

LOS ANGELES, CALIFORNIA, September 30-October 4

Los Angeles County Fair

SPONSORS: Southern California Gas Company, Southern California Edison, and Metropolitan Water District of Southern California

PUGET SOUND AREA, WASHINGTON, October 10-11

Lowe's Retail Store Parking Lot, Auburn, Washington

SPONSOR: Puget Sound Energy

BOSTON, MASSACHUSETTS, October 24-25

Boston Medical Center's Halloween Town at the Seaport World Trade Center

SPONSOR: National Grid



CHANGE THE WORLD, **START WITH ENERGY STAR**

Low-Carbon IT Campaign



- *Launched in April 2008*
- *National effort to assist and recognize organizations for reducing the energy used by computers and monitors (mainly focused on computers)*
- *Organizations make pledge and receive recognition*
- *Free tools and technical assistance*
- *Approximately 800,000 computers pledged to date*
- *Contact: Steve Ryan*
 - 202-343-9123
 - ryan.steven@epa.gov

CAMPAIGN STATUS


Low Carbon IT Campaign

810,593
Computers Pledged to Power Manage.

407,434,015
LBS of Greenhouse Gas Emissions Avoided Annually.

265,429,326
kWh Saved Annually.

Check back regularly to see how your efforts and those of others are collectively making a difference!

A small image of a computer monitor and tower.


ENERGY STAR

CERTIFICATE OF RECOGNITION

PRESENTED TO

Participating Organization

By the United States Environmental Protection Agency in recognition of their commitment to a better environment as a participant in the Low Carbon IT Campaign

Awarded in February 2008.


Steven Ryan
energy star
U.S. Environmental Protection Agency

Resources



- www.energystar.gov/products
 - Qualified product lists
 - Special deals finder & store locator
 - Eligibility requirements and partnership commitment information
- www.energystar.gov/productdevelopment
 - Specs at-a-Glance document
 - Product development reports
 - New spec development and spec revision timelines, process guidance, documentation and contacts
- Katharine Kaplan, Product Development Team Leader
 - Tel: 202-343-9120
 - Email: kaplan.katharine@epa.gov
- Steve Ryan
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